

ABSTRACT

An optical condenser device has light sources (10, 20) and an optical combiner (30). Each light source (10, 20) includes a semiconductor laser array stack (12, 22), collimator lenses (16, 26), and beam converters (18, 28). Since the optical combiner (30) combines the beams from one (12) of the stacks and the beams from the other (22), a laser beam with high optical density is generated. The optical combiner (30) has transmitting portions (32) and reflecting portions (34), each of which preferably has a strip-like shape elongated in the layering directions of the stacks (12, 22). In this case, the beams emitted from the active layers (14, 24) will be received and combined appropriately by the optical combiner (30) even if positional deviation of the active layers (14, 24) occurs.